

10/586665

520.46411X00

10/586665 PCT/PTO

20 JUL 2006

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: AZUMA, et al.

Serial No.: Not Yet Assigned

Filed: July 20, 2006

Title: Ultrasonic Imaging Device

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR 1.97 & 1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

July 20, 2006

Sir:

In the matter of the above-identified application, applicants are submitting herewith a copy of the documents, except for the US patent document listed in the attached form equivalent to Form(s) PTO/SB/08A and/or PTO/SB/08B for the Examiner's consideration.

This information disclosure statement is being submitted with the new application.

Each of the documents listed on the attached form equivalent to Form(s) PTO/SB/08A and/or PTO/SB/08B is in the English language.

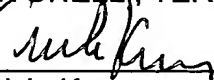
It is respectfully requested that this information disclosure statement be considered by the Examiner.

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20 JUL 2006

Please charge any shortage in the fees due in connection with the filing of this paper, including excess claim fees, to Deposit Account No. 01-2135 (520.46411X00), and please credit any excess fees to such deposit account.

Respectfully submitted,

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Substitute for form 1449A/PTO  <h2 style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center;"><i>(use as many sheets as necessary)</i></p>		<h3 style="text-align: center;">Complete if Known</h3> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td style="width: 50%;">86665</td> </tr> <tr> <td>Filing Date</td> <td>July 20, 2006</td> </tr> <tr> <td>First Named Inventor</td> <td>Takashi AZUMA et al.</td> </tr> <tr> <td>Art Unit</td> <td></td> </tr> <tr> <td>Examiner Name</td> <td></td> </tr> <tr> <td>Attorney Docket Number</td> <td>520.46411X00</td> </tr> </table>		Application Number	86665	Filing Date	July 20, 2006	First Named Inventor	Takashi AZUMA et al.	Art Unit		Examiner Name		Attorney Docket Number	520.46411X00
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U.S. PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)				
		US- 6,095,980		08/01/2000	BURNS et al.	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		JP 08-000628	01-09-1996	HITACHI MEDICAL CORP		
		JP 2001-061841	03-13-2001	TOSHIBA CORP		
		JP 2003-038490	02-12-2003	VOVASONICS INC		

Examiner Signature		Date Considered	
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**Complete if Known**

***(use as many sheets as necessary)***

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Application Number

Filing Date

July 20, 2006

**First Named Inventor**

Takashi AZUMA et al.

### Group Art Unit

Examiner Name

**Attorney Docket Number**

520.46411X00

Examiner  
Initials\*Cite  
No.

Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.

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V.L. Newhouse et al., SECOND HARMONIC DOPPLER ULTRASOUND BBLOD PERFUSION MEASUREMENT, 1992 IEEE ULTRASONICS SYMPOSIUM, P. 1175-1177

W. WILKENING et al. OPTIMIZED RECEIVE FILTERS AND PHASE-CODED PULSE SEQUENCES FOR CONTRAST AGENT AND NONLINEAR IMAGING, 2001 IEEE ULTRASONICS SYMPOSIUM P. 1733-1737

S. Umemura et al., TRIPLEET PULSE SEQUENCE FOR SUPERIOR MICROBUBBLE/TISSUE CONTRAST, 2003 IEEE ULTRASONICS SYMPOSIUM, P. 429-432

S. Umemura et al., Enhancement of Sonodynamic Tissue Damage Production by Second-Harmonic Superimposition: Theoretical Analysis of its Mechanism, IEEE TRANSACTION ON ULTRASONICS, FEROELECTRICS, AND FREQUENCY CONTROL, VOL. 43, NO. 6, (1996) P. 1054-1062

**Examiner  
Signature**

Date \_\_\_\_\_

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